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The Manager

Company Announcements Office

ASX Limited

## BLUGLASS AWARDED \$2,999,355 CLEAN TECHNOLOGY INNOVATION GRANT

### KEY POINTS

- **BluGlass awarded \$2,999,355 funding under the Australian Federal Government's Clean Technology Innovation Program to demonstrate higher efficiency, energy saving, lower cost nitride based LED's on various substrates, including silicon.**

Australian clean technology innovator, BluGlass Limited (ASX:BLG) has announced that it has been awarded \$2,999,255 in Government funding for the Company's '*Versatile prototype deposition machine for higher efficiency, energy saving, lower cost LEDs on various substrates including silicon*' project by the Australian Federal Government as part of the Clean Technology Innovation Program.

BluGlass CEO Giles Bourne today said "we are delighted to have been awarded this funding support for the continued advancement of our RPCVD technology. This represents an enormous commitment from the Commonwealth Government and demonstrates their continued belief in our ability to bring our breakthrough technology to market".

The project aims to significantly reduce the amount of greenhouse gas emissions generated in the production of these energy saving LED devices. BluGlass' unique low temperature Remote Plasma Chemical Vapour Deposition (RPCVD) technology offers significant performance and cost advantages to device manufacturers and it is estimated that for each RPCVD tool put into production there could be a reduction in greenhouse gas emissions of more than 39,000 t CO<sub>2</sub> equivalent per RPCVD unit (based on 3.5 million LED lamps per annum).

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This funding will allow BluGlass to expedite research and development into GaN on silicon substrates. Silicon is a low cost, large diameter substrate that is currently limited in its application for LED semiconductor material growth. This is because the high temperatures of MOCVD growth generally lead to bowing of the substrate, which leads to poor manufacturing yields. RPCVD is a low temperature process that is potentially better suited for the growth of GaN on silicon substrates. It is anticipated that this will result in a revenue stream for the company as presently GaN on silicon is not competitive with the industry standard substrate, sapphire despite its huge commercial appeal as a low cost solution for LED's.

-Ends-

#### About BluGlass:

BluGlass Limited is an Australian green technology company formed to commercialise a breakthrough in the Semiconductor Industry. BluGlass has invented a new process using Remote Plasma Chemical Vapour Deposition (RPCVD) to grow semiconductor materials such as gallium nitride (GaN) and indium gallium nitride (InGaN), crucial to the production of high efficiency devices such as next generation lighting technology Light Emitting Diodes (LEDs) with advanced low cost potential.

The RPCVD technology, because of its low temperature and highly flexible nature, offers many potential benefits over existing technologies including higher efficiency, lower cost and greater scalability.

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